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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.	014-35374-US
First Inventor	Peter S. Aronstam
Title	Closed-Loop Downhole Resonant Source
Express Mail Label No.	EV322404760US

(Only for new honprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.   EV32240476003	<i></i> ノ			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO:  Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450	PTO			
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27.  3. Specification [Total Pages 36] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. Paper  c. Statements verifying identity of above copies  ACCOMPANYING APPLICATION PARTS	03916 U.S. PTO 10/643030			
4. Drawing(s) (35 U.S.C. 113) [Total Sheets]  5. Oath or Declaration [Total Sheets]  a. Newly executed (original or copy)  b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and suppoper specification following the title, or in an Application Data Sheet under 37 cere in a specification Data Sheet under 37 cere in an Application Data Sheet under 37 cere in a c	7 CFR 1.76:	 e			
Continuation  Divisional  Continuation-in-part (CIP)  of prior application No.: 10/366,841  Prior application information:  Examiner Not Assigned  Art Unit: 3662  For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.					
19. CORRESPOND	DENCE ADDRESS				
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Name (Print/Type) Chandrap D. Kumar	Registration No. (Attorney/Agent) 48,679				
Signature / Memden D Kumar	Date 08/18/03				

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (05-03)
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(Complete (if applicable)

Telephone 713.266.1130

Date 08.18.03

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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

SUBMITTED BY

Name (Print/Type)

Signature

Chandran D. Kumar

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Complete if Known				
Application Number	New Application			
Filing Date	New Application			
First Named Inventor	Peter S. Aronstam			
Examiner Name	***************************************			
Art Unit				
Attorney Docket No.	014-35374-US			

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
Check Credit card Money Other None		3. ADDITIONAL FEES						
Deposit Account:			arge Entity   Small Entity					
Denosit	100		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account 02-04 Number	129		1051	130	2051	65	Surcharge - late filing fee or oath	
	r Hughes Incorporated	d	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authori	zed to: (check all that apply)		1053	130	1053		Non-English specification	
Charge fee(s) indica		overpayments		2,520	1812		For filing a request for ex parte reexamination	
Charge any addition	al fee(s) during the pendency o	of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indica to the above-identified d	ted below, except for the filin	g fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
	E CALCULATION	·	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING			1252	410	2252	205	Extension for reply within second month	
Large Entity Small En			1253	930	2253	465	Extension for reply within third month	
F <u>ee Fee Fee Fe</u> Code (\$) Code (\$		Fee Paid	1254	1,450	2254	725	Extension for reply within fourth month	
1001 750 2001 3		750.00	1255	1,970	2255	985	Extension for reply within fifth month	
1002 330 2002 16	5 Design filing fee	750.00	1401	320	2401	160	Notice of Appeal	
1003 520 2003 26	O Plant filing fee		1402	320	2402	160	Filing a brief in support of an appeal	
1004 750 2004 3	75 Reissue filing fee		1403	280	2403	140	Request for oral hearing	
1005 160 2005 8	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
	SUBTOTAL (1) (\$)		1452	110	2452	55	Petition to revive - unavoidable	
2 EVTDA CLAIM	FEES FOR UTILITY AN	ID BEISSUE	1453	1,300	2453	650	Petition to revive - unintentional	
Z. EXTRA CLAIM	Fee fr	om	1501	1,300	2501	650	Utility issue fee (or reissue)	
Total Claims 32	Extra Claims belove	w Fee Paid = 216	1502	470	2502	235	Design issue fee	
Independent 2	$-3^{-2} = 0 \times $84$		1503	630	2503		Plant issue fee	
Claims	1 -3 - 0	╡┇┷═┥	1460	130	1460		Petitions to the Commissioner	
, ,		<u> </u>	1807	50	1807	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity   Small   Fee Fee   Fee	<u>-ntity</u> Fee Fee Description		1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code	· · · · · · · · · · · · · · · · · · ·		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1202 18 2203 1201 84 220			1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280 2203			1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1204 84 2204	42 ** Reissue independe over original patent		1801	750	2801	375	Request for Continued Examination (RCE)	
1205 18 2209	9 ** Reissue claims in e and over original pa		1802	900	1802	900	•	
		Other fee (specify)						
**or number previous	SUBTOTAL (2) (\$) If y paid, if greater; For Reissue		*Redu	iced by	Basic I	Filing F	ee Paid SUBTOTAL (3) (\$) -0-	

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48,679

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